

Title (en)

Liquid composition polymerizable to yield organic glasses endowed with high thermal stability.

Title (de)

Flüssige polymerisierbare Zusammensetzung für organisches Glas mit hoher thermischer Stabilität.

Title (fr)

Composition liquide, polymérisable pour la production de verre organique à haute stabilité thermique.

Publication

**EP 0302537 A1 19890208 (EN)**

Application

**EP 88201274 A 19880621**

Priority

IT 2156287 A 19870731

Abstract (en)

A liquid composition polymizable by the free-radical polymerization route, with a low shrinkage, to yield organic glasses endowed with high thermal stability, is constituted by the product of transesterification of diallyl-carbonate (A) with a mixture of diol (B) and of a polyol (C) containing from 3 to 6 hydroxy groups in the molecule, or a mixture of a diol (B) with a cycloaliphatic diol (C min ), by operating with a molar ratio of A/(B+C) or A/(B+C min ) equal to, or larger than, 3/1, and with an amount of (C) in the (B+C) mixture equal to, or smaller than, 70% by weight, or with an amount of (C min ) in the (B +C min ) mixture equal to, or smaller than, 90% by weight.

IPC 1-7

**C08F 218/00**; G02B 1/04

IPC 8 full level

**C08F 18/00** (2006.01); **C08F 218/00** (2006.01); **G02B 1/04** (2006.01)

CPC (source: EP KR US)

**C08F 218/24** (2020.02 - EP KR US); **C08L 67/06** (2013.01 - KR); **G02B 1/04** (2013.01 - EP US)

Citation (search report)

- [A] EP 0227178 A2 19870701 - ENICHEM SINTESI [IT]
- [A] EP 0114080 A1 19840725 - ENICHIMICA SPA [IT]

Cited by

US11046812B2; US6096425A; US5286816A; AU739622B2; EP0506413A3; BE1006645A3; EP0593877A1; US5380809A; CN108779211A; US2019100617A1; GB2414736A; GB2414736B; US6310162B1; WO9917137A1; WO9933887A1; WO2004090002A1

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